OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.007 OLS Adj. R-squared: Model: 0.004 Least Squares F-statistic: Method: 2.415 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.121 Time: 19:33:14 Log-Likelihood: -628.07No. Observations: 335 AIC: 1260. Df Residuals: 333 BIC: 1268.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

.....

const -0.2606 0.121 -2.145 0.033 -0.500 -0.022 # of past defaults 0.1214 0.078 1.554 0.121 -0.032 0.2

Omnibus: 107.876 Durbin-Watson: 1.981 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1504.443

Skew: -0.907 Prob(JB): 0.00 Kurtosis: 13.222 Cond. No. 2.72

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.781011038600272 LM P-Value: 0.4104482108062668 F Statistic: 0.8872478526183115 F P-Value: 0.4127615733171709

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.003 Model: OLS Adj. R-squared: -0.001 Least Squares F-statistic: 0.7451 Method: Sun, 27 Aug 2023 Prob (F-statistic): 0.389 Date: Time: 19:33:14 Log-Likelihood: -420.38 No. Observations: 223 AIC: 844.8 Df Residuals: 221 BIC: 851.6

Df Model: 1

Covariance Type: nonrobust

, ___________

coef std err t P>|t| [0.025 0.975]

const -0.0718 0.200 -0.359 0.720 -0.467 0.323

Adjusted savings: gross savings (% of GNI) -0.0080 0.009 -0.863 0.389 -0.026 0.010

Omnibus: 124.748 Durbin-Watson: 1.956 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1728.344

Skew: -1.821 Prob(JB): 0.00 Kurtosis: 16.143 Cond. No. 40.6

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.5951460938378261 LM P-Value: 0.7426183352581641 F Statistic: 0.29435540264683996 F P-Value: 0.7453046168722388

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.001 Model: OLS Adj. R-squared: -0.004 Method: Least Squares F-statistic: 0.1404 Sun, 27 Aug 2023 Prob (F-statistic): 0.708 Date: Time: 19:33:14 Log-Likelihood: -420.69 No. Observations: 223 AIC: 845.4 Df Residuals: 221 BIC: 852.2

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.1905 0.130 -1.466 0.144 -0.447 0.066

Adjusted savings: net national savings (% of GNI) -0.0034 0.009 -0.375 0.708 -0.021 0.015

Omnibus: 125.544 Durbin-Watson: 1.958 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1762.139

Skew: -1.833 Prob(JB): 0.00 Kurtosis: 16.274 Cond. No. 17.3

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.5360554362110916 LM P-Value: 0.7648865796020886 F Statistic: 0.26505912272140225 F P-Value: 0.7674052285914387

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.079 OLS Adj. R-squared: Model: 0.049 Least Squares F-statistic: Method: 2.665 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.113 Time: 19:33:15 Log-Likelihood: -51.064 No. Observations: 33 AIC: 106.1 Df Residuals: 31 BIC: 109.1

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.2816 0.214 -1.315 0.198 -0.718 0.155

Banking Crisis Dummy -1.1597 0.710 -1.632 0.113 -2.609 0.289

Omnibus: 0.326 Durbin-Watson: 1.421 Prob(Omnibus): 0.849 Jarque-Bera (JB): 0.496

 Skew:
 -0.001 Prob(JB):
 0.780

 Kurtosis:
 2.399 Cond. No.
 3.51

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 2.400319970575959 LM P-Value: 0.12131043549468558 F Statistic: 2.4317221296531075 F P-Value: 0.12905409131788922

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.001 OLS Adj. R-squared: -0.003 Model: Least Squares F-statistic: Method: 0.1496 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.699 Time: 19:33:15 Log-Likelihood: -531.13 No. Observations: 284 AIC: 1066. Df Residuals: 282 BIC: 1074.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.0810 0.120 -0.673 0.502 -0.318 0.156

Broad money growth (annual %) 0.0016 0.004 0.387 0.699 -0.006 0.010

Omnibus: 108.265 Durbin-Watson: 1.893 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1851.803

Skew: -1.051 Prob(JB): 0.00 Kurtosis: 15.332 Cond. No. 37.8

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.10150194667654366 LM P-Value: 0.9505153447253301 F Statistic: 0.050232824780134175 F P-Value: 0.9510165184073623

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.000 OLS Adj. R-squared: -0.004 Model: Method: Least Squares F-statistic: 0.02301 Sun, 27 Aug 2023 Prob (F-statistic): 0.880 Date: Time: 19:33:15 Log-Likelihood: -493.55 259 AIC: No. Observations: 991.1 Df Residuals: 257 BIC: 998.2

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975

const -0.0178 0.116 -0.154 0.878 -0.246 0.210

Broad money to total reserves ratio -0.0013 0.009 -0.152 0.880 -0.019 0.016

Omnibus: 98.314 Durbin-Watson: 1.914 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1501.976

Skew: -1.053 Prob(JB): 0.00 Kurtosis: 14.608 Cond. No. 15.2

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.09647744310116946 LM P-Value: 0.9529062806583619 F Statistic: 0.047697739277513536 F P-Value: 0.9534303965315271

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.013 OLS Adj. R-squared: 0.009 Model: Least Squares F-statistic: Method: 1.633 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.202 Time: 19:33:16 Log-Likelihood: -509.34 272 AIC: 1023. No. Observations: Df Residuals: 270 BIC: 1030.

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

.....

const -0.0022 0.110 -0.020 0.984 -0.218 0.214 CA 0.0221 0.017 1.278 0.201 -0.012 0.056

Omnibus: 109.766 Durbin-Watson: 1.904 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1380.125

Skew: -1.240 Prob(JB): 2.04e-300 Kurtosis: 13.753 Cond. No. 13.9

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 12.079016585328192 LM P-Value: 0.0023827302315547944 F Statistic: 6.250467774411073

F P-Value: 0.0022214822067491654

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.012 Model: OLS Adj. R-squared: -0.005 Least Squares F-statistic: 0.6902 Method: Sun, 27 Aug 2023 Prob (F-statistic): 0.409 Date: Time: 19:33:16 Log-Likelihood: -107.65 No. Observations: 61 AIC: 219.3 Df Residuals: 59 BIC: 223.5

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.5340 0.329 -1.622 0.110 -1.193 0.125

Central government debt, total (% of GDP) 0.0046 0.006 0.831 0.409 -0.006 0.016

Omnibus: 20.563 Durbin-Watson: 1.969 Prob(Omnibus): 0.000 Jarque-Bera (JB): 49.634

 Skew:
 -0.940 Prob(JB):
 1.67e-11

 Kurtosis:
 6.999 Cond. No.
 107.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 2.4595369601462247 LM P-Value: 0.29236025707133534 F Statistic: 1.218414890153535 F P-Value: 0.30315394869384904

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.003 Model: OLS Adj. R-squared: -0.001 Least Squares F-statistic: 0.7774 Method: Sun, 27 Aug 2023 Prob (F-statistic): 0.379 Date: Time: 19:33:16 Log-Likelihood: -534.51 No. Observations: 284 AIC: 1073. Df Residuals: 282 BIC: 1080.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.1213 0.105 -1.160 0.247 -0.327 0.085

Claims on central government, etc. (% GDP) 0.0044 0.005 0.882 0.379 -0.005 0.014

Omnibus: 100.928 Durbin-Watson: 1.932 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1580.374

Skew: -0.969 Prob(JB): 0.00 Kurtosis: 14.393 Cond. No. 23.2

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.2460012700805252 LM P-Value: 0.8842631010179707 F Statistic: 0.12180684184545915 F P-Value: 0.8853660780728834

OLS Regression Results

Dep. Variable:Mean_diffR-squared:0.001Model:OLSAdj. R-squared:-0.002Method:Least SquaresF-statistic:0.3119Date:Sun, 27 Aug 2023Prob (F-statistic):0.577Time:19:33:17Log-Likelihood:-527.94

No. Observations: 282 AIC: 1060. Df Residuals: 280 BIC: 1067.

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.0158 0.109 -0.145 0.885 -0.231 0.199

Claims on private sector (annual growth as % of broad money) -0.0024 0.004 -0.559 0.577 -0.011 0.006

Omnibus: 106.210 Durbin-Watson: 1.906 Prob(Omnibus): 0.000 Jargue-Bera (JB): 1813.716

Skew: -1.029 Prob(JB): 0.00 Kurtosis: 15.252 Cond. No. 29.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 3.9959224145418863 LM P-Value: 0.1356114852917577 F Statistic: 2.0051187078622608 F P-Value: 0.13657997690929027

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.002 OLS Adj. R-squared: -0.002 Model: Method: Least Squares F-statistic: 0.4183 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.518 Time: 19:33:17 Log-Likelihood: -529.44 No. Observations: 278 AIC: 1063. Df Residuals: 276 BIC: 1070.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.1817 0.182 -0.999 0.319 -0.540 0.176

Consumer price index (2010 = 100) 0.0015 0.002 0.647 0.518 -0.003 0.006

 Omnibus:
 104.036
 Durbin-Watson:
 1.777

 Prob(Omnibus):
 0.000
 Jarque-Bera (JB):
 1484.998

Skew: -1.076 Prob(JB): 0.00 Kurtosis: 14.116 Cond. No. 142

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.74704860175224 LM P-Value: 0.4174776367167703 F Statistic: 0.86956241200345 F P-Value: 0.42028410573485975

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.033 Model: OLS Adj. R-squared: 0.016 Least Squares F-statistic: 1.898 Method: Sun, 27 Aug 2023 Prob (F-statistic): 0.174 Date: Time: 19:33:17 Log-Likelihood: -109.14 57 AIC: 222.3 No. Observations: Df Residuals: 55 BIC: 226.4

Df Model: 1

Covariance Type: nonrobust

covariance Type. Homobust

coef std err t P>|t| [0.025 0.975]

const -0.1707 0.293 -0.583 0.562 -0.758 0.416

Cyclically adjusted balance (% of potential GDP) 0.0711 0.052 1.378 0.174 -0.032 0.175

Omnibus:9.529Durbin-Watson:1.771Prob(Omnibus):0.009Jarque-Bera (JB):19.933

 Skew:
 -0.286
 Prob(JB):
 4.69e-05

 Kurtosis:
 5.840
 Cond. No.
 7.61

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.024618564815011235 LM P-Value: 0.9877661669162169 F Statistic: 0.01166646423879386 F P-Value: 0.9884038156185553

OLS Regression Results

Dep. Variable:Mean_diffR-squared:0.104Model:OLS Adj. R-squared:0.087Method:Least SquaresF-statistic:6.246Date:Sun, 27 Aug 2023Prob (F-statistic):0.0155Time:19:33:18 Log-Likelihood:-105.23

No. Observations: 56 AIC: 214.5

Df Residuals: 54 BIC: 218.5

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.2007 0.231 -0.868 0.389 -0.664 0.263 Cyclically adjusted primary balance (% of potential GDP) 0.1320 0.053 2.499 0.016 0.026 0.238

 Omnibus:
 10.226 Durbin-Watson:
 1.704

 Prob(Omnibus):
 0.006 Jarque-Bera (JB):
 24.196

 Skew:
 -0.257 Prob(JB):
 5.57e-06

Kurtosis: 6.179 Cond. No. 4.73

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.8061996436084469 LM P-Value: 0.4053113175702543 F Statistic: 0.8832060169402538 F P-Value: 0.41945161680655463

OLS Regression Results

Dep. Variable: Mean_diff R-squared: 0.000 Model: OLS Adj. R-squared: -0.004 Method: Least Squares F-statistic: 0.1060

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.745

Time: 19:33:18 Log-Likelihood: -453.12 No. Observations: 252 AIC: 910.2

Df Residuals: 250 BIC: 917.3

Df Model:

Covariance Type: nonrobust

coef std err t P>ltl [0.025 0.975]

const 0.2244 0.767 0.292 0.770 -1.287 1.736

In_Debt service on external debt, total (TDS, current US\$) -0.0131 0.040 -0.326 0.745 -0.092 0.066

Omnibus: 144.736 Durbin-Watson: 1.971 Prob(Omnibus): 0.000 Jargue-Bera (JB): 3390.760

Skew: -1.754 Prob(JB): 0.00 Kurtosis: 20.624 Cond. No. 159.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.8215164971874662 LM P-Value: 0.6631472289990585 F Statistic: 0.4071957218369532 F P-Value: 0.6659562686959055

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.038 Model: OLS Adj. R-squared: 0.034 Least Squares F-statistic: Method: 9.438 Sun, 27 Aug 2023 Prob (F-statistic): 0.00237 Date: Time: 19:33:19 Log-Likelihood: -434.69 No. Observations: 242 AIC: 873.4 Df Residuals: 240 BIC: 880.4

Df Model:

Covariance Type: nonrobust

coef std err P>ltl [0.025 0.9751

const 0.2300 0.128 1.800 0.073 -0.022

Domestic credit to private sector (% of GDP) -0.0087 0.003 -3.072 0.002 -0.014

39.486 Durbin-Watson: Omnibus: 2.028 Prob(Omnibus): 0.000 Jarque-Bera (JB): 184.289

0.506 Prob(JB): Skew: 9.60e-41 7.154 Cond. No. Kurtosis:

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.0184314008374915 LM P-Value: 0.6009667319817388 F Statistic: 0.5050284679759655 F P-Value: 0.6041309531693198

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.009 OLS Adj. R-squared: Model: 0.006 Least Squares F-statistic: Method: 3.049 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.0817 Time: 19:33:19 Log-Likelihood: -627.76No. Observations: 335 AIC: 1260. Df Residuals: 333 BIC: 1267.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.3209 0.140 -2.288 0.023 -0.597 -0.045

Dummy for past default 0.3108 0.178 1.746 0.082 -0.039 0.661

Omnibus: 107.571 Durbin-Watson: 1.989 Prob(Omnibus): 0.000 Jargue-Bera (JB): 1478.276

 Skew:
 -0.908 Prob(JB):
 0.00

 Kurtosis:
 13.130 Cond. No.
 3.01

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.5263983831852668 LM P-Value: 0.21665378903161414 F Statistic: 1.5242305811803416 F P-Value: 0.21785087834126723

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.008 Model: OLS Adj. R-squared: 0.004 Method: Least Squares F-statistic: 1.832 Sun, 27 Aug 2023 Prob (F-statistic): 0.177 Date: Time: 19:33:19 Log-Likelihood: -506.87 No. Observations: 267 AIC: 1018. Df Residuals: 265 BIC: 1025.

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975

const 0.0757 0.166 0.457 0.647 -0.249 0.400

Exports of goods and services (% of GDP) -0.0077 0.006 -1.353 0.176 -0.019 0.003

Omnibus: 110.989 Durbin-Watson: 1.938 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1317.044

Skew: -1.307 Prob(JB): 1.02e-286 Kurtosis: 13.562 Cond. No. 70.5

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 5.39321826515163 LM P-Value: 0.06743378452458214 F Statistic: 2.7212781193171303 F P-Value: 0.06763652089250398

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.019 Model: OLS Adj. R-squared: 0.014 Method: Least Squares F-statistic: 4.161 Sun, 27 Aug 2023 Prob (F-statistic): 0.0426 Date: Time: 19:33:20 Log-Likelihood: -404.35 No. Observations: 218 AIC: 812.7 Df Residuals: 216 BIC: 819.5

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.2500 0.110 -2.273 0.024 -0.467 -0.033

Exports of goods and services (annual % growth) 0.0096 0.005 2.040 0.043 0.000 0.019

Omnibus: 124.356 Durbin-Watson: 2.046 Prob(Omnibus): 0.000 Jarque-Bera (JB): 2176.173

 Skew:
 -1.771 Prob(JB):
 0.00

 Kurtosis:
 18.068 Cond. No.
 24.4

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.25375292265759364 LM P-Value: 0.8808424839858223 F Statistic: 0.1252762770969868 F P-Value: 0.8823174759081714

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.004 Model: OLS Adj. R-squared: 0.001 Least Squares F-statistic: Method: 1.185 Sun, 27 Aug 2023 Prob (F-statistic): 0.277 Date: Time: 19:33:20 Log-Likelihood: -507.36 No. Observations: 267 AIC: 1019. Df Residuals: 265 BIC: 1026.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.2361 0.119 -1.978 0.049 -0.471 -0.001

External balance on goods and services (% of GDP) -0.0068 0.006 -1.088 0.277 -0.019 0.006

Omnibus: 119.455 Durbin-Watson: 1.958 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1474.194

Skew: -1.433 Prob(JB): 0.00 Kurtosis: 14.149 Cond. No. 22.9

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.17371511289655373 LM P-Value: 0.916807679674644 F Statistic: 0.08593754139344707 F P-Value: 0.9176772047082842

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.004 Model: OLS Adj. R-squared: 0.000 Least Squares F-statistic: Method: 1.014 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.315 Time: 19:33:20 Log-Likelihood: -444.29 No. Observations: 245 AIC: 892.6 Df Residuals: 243 BIC: 899.6

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 0.0791 0.140 0.565 0.572 -0.197 0.355

External debt stocks (% of GNI) -0.0016 0.002 -1.007 0.315 -0.005 0.002

Omnibus: 141.110 Durbin-Watson: 1.946 Prob(Omnibus): 0.000 Jargue-Bera (JB): 3152.349

Skew: -1.765 Prob(JB): 0.00 Kurtosis: 20.215 Cond. No. 127.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.6377389162277463 LM P-Value: 0.4409298625088376 F Statistic: 0.814285698945504 F P-Value: 0.44416551371721913

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.000 OLS Adj. R-squared: Model: -0.004 Least Squares F-statistic: Method: 0.04159 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.839 Time: 19:33:21 Log-Likelihood: -478.97 245 AIC: 961.9 No. Observations: Df Residuals: 243 BIC: 968.9

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.0410 0.640 -0.064 0.949 -1.301 1.219 Food Price Index -0.0014 0.007 -0.204 0.839 -0.015 0.012

Omnibus: 94.874 Durbin-Watson: 1.926 Prob(Omnibus): 0.000 Jarque-Bera (JB): 983.794

 Skew:
 -1.204 Prob(JB):
 2.35e-214

 Kurtosis:
 12.517 Cond. No.
 530.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.4847990059795895 LM P-Value: 0.47597045167536267 F Statistic: 0.7377801426365314 F P-Value: 0.4792466008438654

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.030 OLS Adj. R-squared: Model: 0.026 Least Squares F-statistic: Method: 7.200 Sun, 27 Aug 2023 Prob (F-statistic): 0.00781 Date: Time: 19:33:21 Log-Likelihood: -462.60No. Observations: 237 AIC: 929.2 Df Residuals: 235 BIC: 936.1

Df Model: 1

Covariance Type: nonrobust

···

coef std err t P>|t| [0.025 0.975]

const -0.0948 0.114 -0.829 0.408 -0.320 0.131

Food Price Index (% change) -2.9575 1.102 -2.683 0.008 -5.129 -0.78

Omnibus: 94.876 Durbin-Watson: 2.024 Prob(Omnibus): 0.000 Jarque-Bera (JB): 970.411

 Skew:
 -1.254 Prob(JB):
 1.90e-211

 Kurtosis:
 12.591 Cond. No.
 9.92

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.5649007520184469 LM P-Value: 0.7539340542475936 F Statistic: 0.27954135488503784 F P-Value: 0.7563826047906119

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.030 Model: OLS Adj. R-squared: 0.027 Least Squares F-statistic: Method: 0.9867 Sun, 27 Aug 2023 Prob (F-statistic): 0.321 Date: Time: 19:33:21 Log-Likelihood: -567.63 No. Observations: 302 AIC: 1139. Df Residuals: 300 BIC: 1147.

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

const 0.0061 0.122 0.050 0.960 -0.234 0.246

Foreign direct investment, net inflows (% of GDP) -0.0267 0.027 -0.993 0.321 -0.079 0.020

Omnibus: 77.875 Durbin-Watson: 1.903 Prob(Omnibus): 0.000 Jarque-Bera (JB): 829.685

Skew: -0.689 Prob(JB): 6.86e-181 Kurtosis: 11.002 Cond. No. 12.4

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 29.543932578698463 LM P-Value: 3.842523689771312e-07 F Statistic: 16.211119694705307 F P-Value: 2.0691232320148897e-07

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.013 OLS Adj. R-squared: Model: 0.010 Least Squares F-statistic: Method: 4.238 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.0404 Time: 19:33:22 Log-Likelihood: -595.25 No. Observations: 313 AIC: 1194. Df Residuals: 311 BIC: 1202.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 2.2057 1.140 1.934 0.054 -0.038 4.450

In GDP (constant 2015 US\$) -0.1017 0.049 -2.059 0.040 -0.199 -0.004

Omnibus: 104.856 Durbin-Watson: 1.984 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1302.736

Skew: -0.986 Prob(JB): 1.30e-283 Kurtosis: 12.798 Cond. No. 287.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.30122317979200575 LM P-Value: 0.8601817370610091 F Statistic: 0.14931172210694488 F P-Value: 0.8613624904661847

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.051 OLS Adj. R-squared: Model: 0.048 Least Squares F-statistic: Method: 16.63 Sun, 27 Aug 2023 Prob (F-statistic): 5.79e-05 Date: Time: 19:33:22 Log-Likelihood: -585.86 No. Observations: 311 AIC: 1176. Df Residuals: 309 BIC: 1183.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.3630 0.107 -3.398 0.001 -0.573 -0.153

GDP growth (annual %) 0.0614 0.015 4.078 0.000 0.032 0.091

Omnibus: 122.943 Durbin-Watson: 1.834 Prob(Omnibus): 0.000 Jargue-Bera (JB): 2068.092

Skew: -1.145 Prob(JB): 0.00 Kurtosis: 15.424 Cond. No. 8.43

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 4.026436493694392 LM P-Value: 0.1335581591631512 F Statistic: 2.019949903654163 F P-Value: 0.13441581035882302

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.000 OLS Adj. R-squared: Model: -0.003 Least Squares F-statistic: Method: 0.005679 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.940 Time: 19:33:22 Log-Likelihood: -615.72 No. Observations: 326 AIC: 1235. Df Residuals: 324 BIC: 1243.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

.....

const -0.1103 0.340 -0.325 0.746 -0.778 0.558

GDP growth China (annual %) -0.0026 0.034 -0.075 0.940 -0.069 0.064

Omnibus: 108.704 Durbin-Watson: 1.975 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1495.940

 Skew:
 -0.955
 Prob(JB):
 0.00

 Kurtosis:
 13.319
 Cond. No.
 38.7

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 2.6606877136045424 LM P-Value: 0.2643863346282532 F Statistic: 1.3289477939092351 F P-Value: 0.26619935479002466

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.021 OLS Adj. R-squared: Model: 0.018 Least Squares F-statistic: Method: 7.054 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.00830 Time: 19:33:23 Log-Likelihood: -612.21 No. Observations: 326 AIC: 1228. Df Residuals: 324 BIC: 1236.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.3886 0.130 -2.994 0.003 -0.644 -0.133

GDP growth USA (annual %) 0.1105 0.042 2.656 0.008 0.029 0.192

Omnibus: 110.204 Durbin-Watson: 2.014 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1645.177

Skew: -0.947 Prob(JB): 0.00 Kurtosis: 13.841 Cond. No. 4.87

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.6745577850489122 LM P-Value: 0.7137097638258333 F Statistic: 0.334868006460489 F P-Value: 0.7156805909784393

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.015 Model: OLS Adj. R-squared: 0.012 Method: Least Squares F-statistic: 4.632 Sun, 27 Aug 2023 Prob (F-statistic): 0.0322 Date: Time: 19:33:23 Log-Likelihood: -592.03 No. Observations: 311 AIC: 1188. Df Residuals: 309 BIC: 1196.

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 1.1841 0.622 1.905 0.058 -0.039 2.407

In GDP per capita (constant 2015 US\$) -0.1712 0.080 -2.152 0.032 -0.328 -0.01

Omnibus: 99.366 Durbin-Watson: 1.946 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1323.020

 Skew:
 -0.893
 Prob(JB):
 5.13e-288

 Kurtosis:
 12.945
 Cond. No.
 53.4

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.0497869712456236 LM P-Value: 0.5916183768738323 F Statistic: 0.521590845162056 F P-Value: 0.5940988658774298

OLS Regression Results

Dep. Variable:Mean_diffR-squared:0.000Model:OLS Adj. R-squared:-0.004Method:Least SquaresF-statistic:0.01249Date:Sun, 27 Aug 2023Prob (F-statistic):0.911

Time: 19:33:23 Log-Likelihood: -481.15 No. Observations: 255 AIC: 966.3

Df Residuals: 253 BIC: 973.4

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.1865 0.247 -0.756 0.450 -0.673 0.300

General government final consumption expenditure (% of GDP) -0.0016 0.015 -0.112 0.911 -0.031 0.027

Omnibus: 124.368 Durbin-Watson: 1.959 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1588.794

Skew: -1.584 Prob(JB): 0.00 Kurtosis: 14.811 Cond. No. 41.3

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.40635811579141645 LM P-Value: 0.8161320934462531 F Statistic: 0.20110919585731274 F P-Value: 0.8179542518619711

OLS Regression Results

Dep. Variable:Mean_diffR-squared:0.000Model:OLS Adj. R-squared:-0.005Method:Least SquaresF-statistic:0.02046Date:Sun, 27 Aug 2023Prob (F-statistic):0.886Time:19:33:24Log-Likelihood:-368.26

No. Observations: 200 AIC: 740.5 Df Residuals: 198 BIC: 747.1

Df Model:

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

const -0.0794 0.105 -0.759 0.448 -0.284 0.12

General government final consumption expenditure (annual % growth) -0.0032 0.023 -0.143 0.886 -0.048 0.043

Omnibus: 125.807 Durbin-Watson: 1.819 Prob(Omnibus): 0.000 Jargue-Bera (JB): 2655.984

 Skew:
 -1.920 Prob(JB):
 0.00

 Kurtosis:
 20.435 Cond. No.
 12.3

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 11.555104510914838 LM P-Value: 0.0030962850550222388

F Statistic: 6.039844121917518 F P-Value: 0.0028458149543620723

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.043 Model: OLS Adj. R-squared: 0.039 Method: Least Squares F-statistic: 5.250 Sun, 27 Aug 2023 Prob (F-statistic): 0.0227 Date: Time: 19:33:24 Log-Likelihood: -493.42 No. Observations: 263 AIC: 990.8 Df Residuals: 261 BIC: 998.0

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

const 0.5812 0.305 1.908 0.056 -0.016 1.178

Gross capital formation (% of GDP) -0.0321 0.014 -2.291 0.022 -0.060 -0.005

Omnibus: 94.746 Durbin-Watson: 1.958 Prob(Omnibus): 0.000 Jarque-Bera (JB): 913.719

Skew: -1.135 Prob(JB): 3.88e-199 Kurtosis: 11.844 Cond. No. 64.5

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 8.623879436070823 LM P-Value: 0.013407517551391412 F Statistic: 4.407270321615957 F P-Value: 0.013112239037264732

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.003 OLS Adj. R-squared: Model: -0.002 Least Squares F-statistic: Method: 0.6138 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.434 19:33:24 Log-Likelihood: Time: -341.58 No. Observations: 184 AIC: 687.2 Df Residuals: 182 BIC: 693.6

Df Model: 1

Covariance Type: nonrobust

···

coef std err t P>|t| [0.025 0.975]

const 0.0117 0.169 0.069 0.945 -0.322 0.346

Gross debt (% of GDP) -0.0017 0.002 -0.783 0.434 -0.006 0.003

Omnibus: 22.529 Durbin-Watson: 2.013 Prob(Omnibus): 0.000 Jarque-Bera (JB): 111.973

 Skew:
 0.030 Prob(JB):
 4.85e-25

 Kurtosis:
 6.821 Cond. No.
 118.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.0724620771257047 LM P-Value: 0.5849487522595037 F Statistic: 0.5305806828318964 F P-Value: 0.5891753692228512

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.009 OLS Adj. R-squared: Model: 0.006 Least Squares F-statistic: Method: 2.435 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.120 Time: 19:33:25 Log-Likelihood: -485.70 No. Observations: 258 AIC: 975.4 Df Residuals: 256 BIC: 982.5

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.0823 0.132 -0.625 0.532 -0.342 0.177

Gross domestic savings (% of GDP) -0.0093 0.006 -1.560 0.120 -0.021 0.002

Omnibus: 119.057 Durbin-Watson: 1.952 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1485.868

Skew: -1.479 Prob(JB): 0.00 Kurtosis: 14.379 Cond. No. 29.3

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 2.6647244335119087 LM P-Value: 0.2638532460014801 F Statistic: 1.3306127189789674 F P-Value: 0.2661440978461562

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.002 Model: OLS Adj. R-squared: -0.002 Method: Least Squares F-statistic: 0.5967 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.441 Time: 19:33:25 Log-Likelihood: -483.42 No. Observations: 256 AIC: 970.8 Df Residuals: 254 BIC: 977.9

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 0.3571 0.748 0.477 0.634 -1.116 1.831

Gross national expenditure (% of GDP) -0.0053 0.007 -0.772 0.441 -0.019 0.008

Omnibus: 121.731 Durbin-Watson: 2.005 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1473.277

 Skew:
 -1.550 Prob(JB):
 0.00

 Kurtosis:
 14.336 Cond. No.
 821

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.45328401904095017 LM P-Value: 0.7972061234147907 F Statistic: 0.22438335076453755 F P-Value: 0.799167608585191

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.001 Model: OLS Adj. R-squared: -0.003 Method: Least Squares F-statistic: 0.2359 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.628 Time: 19:33:26 Log-Likelihood: -507.83 267 AIC: No. Observations: 1020.

Df Residuals: 265 BIC: 1027.

Df Model:

Covariance Type: HC3

coef std err [0.025 P>|z|

-0.0664 0.180 -0.370 0.712 -0.419const

Imports of goods and services (% of GDP) -0.0023 0.005 -0.486 0.627

Omnibus: 1.947 113.993 Durbin-Watson: Prob(Omnibus): 0.000 Jarque-Bera (JB): 1328.601

Skew: -1.363 Prob(JB): 3.15e-289 Kurtosis: 13.583 Cond. No.

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 6.851519098024745 LM P-Value: 0.03252456760157738 F Statistic: 3.4764781935438163 F P-Value: 0.03233883271677419

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.000 Model: OLS Adj. R-squared: -0.004 Method: Least Squares F-statistic: 0.02110 Sun, 27 Aug 2023 Prob (F-statistic): 0.885 Date: Time: 19:33:26 Log-Likelihood: -406.40 816.8 No. Observations: 218 AIC: Df Residuals: 216 BIC: 823.6

Df Model:

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

const -0.1774 0.098 -1.806 0.071 -0.370 0.015

Imports of goods and services (annual % growth) -0.0015 0.010 -0.145 0.885 -0.022 0.019

Omnibus: 121.450 Durbin-Watson: 2.001 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1995.467

Skew: -1.734 Prob(JB): 0.00 Kurtosis: 17.410 Cond. No. 16.9

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 7.082013908114296 LM P-Value: 0.028984126698969784 F Statistic: 3.609538044757462 F P-Value: 0.028717104419419787

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.012 Model: OLS Adj. R-squared: 0.008 Method: Least Squares F-statistic: 3.279 Sun, 27 Aug 2023 Prob (F-statistic): 0.0713 Date: Time: 19:33:26 Log-Likelihood: -517.97 No. Observations: 272 AIC: 1040. Df Residuals: 270 BIC: 1047.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 0.0438 0.121 0.362 0.718 -0.194 0.282

Inflation, consumer prices (annual %) -0.0131 0.007 -1.811 0.071 -0.027 0.001

Omnibus: 105.965 Durbin-Watson: 1.781 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1536.188

 Skew:
 -1.130 Prob(JB):
 0.00

 Kurtosis:
 14.421 Cond. No.
 20.4

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.4900076090606955 LM P-Value: 0.4747324938022969 F Statistic: 0.7408451778337236 F P-Value: 0.4776809208907028

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.002 OLS Adj. R-squared: -0.006 Model: Least Squares F-statistic: 0.4398 Method: Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.508 Time: 19:33:27 Log-Likelihood: -253.30 No. Observations: 134 AIC: 510.6 Df Residuals: 132 BIC: 516.4

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

......

const -0.1920 0.208 -0.923 0.356 -0.600 0.216

Interest payments (% of revenue) 0.0062 0.009 0.663 0.507 -0.012 0.025

Omnibus: 17.858 Durbin-Watson: 1.768 Prob(Omnibus): 0.000 Jarque-Bera (JB): 76.326

 Skew:
 -0.115
 Prob(JB):
 2.67e-17

 Kurtosis:
 6.690
 Cond. No.
 20.3

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 8.655456083514748 LM P-Value: 0.01319749761797194 F Statistic: 4.522992032648446 F P-Value: 0.012604965539768784

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.000 OLS Adj. R-squared: Model: -0.017 Least Squares F-statistic: Method: 0.0005930 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.981 Time: 19:33:27 Log-Likelihood: -119.19No. Observations: 62 AIC: 242.4 Df Residuals: 60 BIC: 246.6

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

.....

const -0.1207 0.265 -0.455 0.650 -0.651 0.409

Omnibus: 10.622 Durbin-Watson: 2.329 Prob(Omnibus): 0.005 Jarque-Bera (JB): 28.503

Skew: -0.163 Prob(JB): 6.47e-07 Kurtosis: 6.306 Cond. No. 108.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.7313161510258939 LM P-Value: 0.693739967343473 F Statistic: 0.3521183270142207 F P-Value: 0.7046645385425933

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.010 Model: OLS Adj. R-squared: 0.005 Least Squares F-statistic: 2.080 Method: Sun, 27 Aug 2023 Prob (F-statistic): 0.151 Date: Time: 19:33:27 Log-Likelihood: -367.92 200 AIC: 739.8 No. Observations: Df Residuals: 198 BIC: 746.4

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.0095 0.120 -0.079 0.937 -0.246 0.227

Net lending/borrowing (overall balance) (% of GDP) 0.0253 0.018 1.442 0.151 -0.009 0.060

Omnibus:22.851Durbin-Watson:1.995Prob(Omnibus):0.000Jarque-Bera (JB):109.649Skow:0.005Prob(JB):1.550.24

Skew: -0.005 Prob(JB): 1.55e-24 Kurtosis: 6.627 Cond. No. 7.60

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.861662482937664 LM P-Value: 0.6499685892643283 F Statistic: 0.4262049971271191 F P-Value: 0.6535831189075734

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.538 Model: OLS Adj. R-squared: 0.422 Least Squares F-statistic: 4.651 Method: 0.0973 Sun, 27 Aug 2023 Prob (F-statistic): Date: Time: 19:33:28 Log-Likelihood: -9.1560 No. Observations: 6 AIC: 22.31 21.90

Df Residuals: 4 BIC:

Df Model:

Covariance Type: nonrobust

coef std err P>|t| [0.025 0.9751

30.3250 13.915 2.179 const 0.095 -8.310 68.960

In Net official aid received (current US\$) -1.6163 0.750 -2.157 0.097 -3.697

1.776 Omnibus: nan Durbin-Watson: Prob(Omnibus): nan Jarque-Bera (JB): 0.369

Skew: 0.007 Prob(JB): 0.832 1.786 Cond. No. Kurtosis: 466.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 4.56946067355735 LM P-Value: 0.10180151052846732 F Statistic: 4.791333508726723 F P-Value: 0.11641872172547513

OLS Regression Results

Dep. Variable:Mean_diffR-squared:0.008Model:OLS Adj. R-squared:0.005Method:Least SquaresF-statistic:2.474Date:Sun, 27 Aug 2023Prob (F-statistic):0.117Time:19:33:28 Log-Likelihood:-574.31

No. Observations: 309 AIC: 1153. Df Residuals: 307 BIC: 1160.

Df Model: 1

Covariance Type: nonrobust

Omnibus:126.332Durbin-Watson:1.897Prob(Omnibus):0.000Jarque-Bera (JB):1771.529

 Skew:
 -1.265 Prob(JB):
 0.00

 Kurtosis:
 14.454 Cond. No.
 5.49

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.369046656170734 LM P-Value: 0.504330572507517 F Statistic: 0.680894221200208 F P-Value: 0.5069293606205535

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.003 OLS Adj. R-squared: Model: 0.000 Least Squares F-statistic: Method: 1.102 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.295 Time: 19:33:28 Log-Likelihood: -615.17326 AIC: 1234. No. Observations: Df Residuals: 324 BIC: 1242.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 0.0515 0.199 0.259 0.795 -0.339 0.442 Oil price -0.0025 0.002 -1.050 0.295 -0.007 0.002

Omnibus: 110.315 Durbin-Watson: 1.986 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1568.716

Skew: -0.966 Prob(JB): 0.00 Kurtosis: 13.572 Cond. No. 186.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.5260464571076795 LM P-Value: 0.46625469957669885 F Statistic: 0.7595571235590975 F P-Value: 0.46870741564431306

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.010 OLS Adj. R-squared: Model: 0.007 Least Squares F-statistic: Method: 3.309 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.0698 Time: 19:33:29 Log-Likelihood: -614.07 No. Observations: 326 AIC: 1232. Df Residuals: 324 BIC: 1240.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.1267 0.089 -1.431 0.154 -0.301 0.048

Oil price (% change) -0.6840 0.376 -1.819 0.070 -1.424 0.056

Omnibus: 108.437 Durbin-Watson: 1.989 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1447.580

Skew: -0.962 Prob(JB): 0.00 Kurtosis: 13.143 Cond. No. 4.29

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.5561231689664585 LM P-Value: 0.7572501852169824 F Statistic: 0.2759735185760198 F P-Value: 0.759011771035984

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.053 OLS Adj. R-squared: Model: 0.047 Least Squares F-statistic: Method: 9.366 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.00258 Time: 19:33:29 Log-Likelihood: -335.20 169 AIC: 674.4 No. Observations: Df Residuals: 167 BIC: 680.7

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

.....

const -0.3734 0.164 -2.277 0.024 -0.697 -0.050 PV:GE -0.6053 0.198 -3.060 0.003 -0.996 -0.215

Omnibus: 91.433 Durbin-Watson: 1.811 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1220.630

Skew: -1.605 Prob(JB): 8.78e-266 Kurtosis: 15.769 Cond. No. 1.94

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.04913543529937359 LM P-Value: 0.9757316124296415 F Statistic: 0.024138622435320396 F P-Value: 0.9761538097417406

OLS Regression Results

Dep. Variable:Mean_diff R-squared:0.011Model:OLS Adj. R-squared:0.006Method:Least Squares F-statistic:2.127

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.146

Time: 19:33:29 Log-Likelihood: -355.64 No. Observations: 193 AIC: 715.3

Df Residuals: 191 BIC: 721.8

Df Model: 1

Covariance Type: nonrobust

coef std err t P>ltl [0.025 0.975]

const -0.0637 0.113 -0.566 0.572 -0.286 0.158

Primary net lending/borrowing (primary balance) (% of GDP) 0.0276 0.019 1.458 0.146 -0.010 0.065

Omnibus: 22.665 Durbin-Watson: 2.034 Prob(Omnibus): 0.000 Jarque-Bera (JB): 110.099

 Skew:
 0.021 Prob(JB):
 1.24e-24

 Kurtosis:
 6.700 Cond. No.
 6.07

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.2944228654191795 LM P-Value: 0.8631114681263985 F Statistic: 0.1451445911982557 F P-Value: 0.8649930339593659

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.001 OLS Adj. R-squared: Model: -0.005Least Squares F-statistic: Method: 0.1096 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.741 Time: 19:33:30 Log-Likelihood: -349.91 No. Observations: 186 AIC: 703.8 Df Residuals: 184 BIC: 710.3

Df Model: 1

Covariance Type: nonrobust

···

coef std err t P>|t| [0.025 0.975]

.....

const -0.2075 0.136 -1.525 0.129 -0.476 0.061

Real interest rate (%) 0.0030 0.009 0.331 0.741 -0.015 0.021

Omnibus: 120.130 Durbin-Watson: 1.839 Prob(Omnibus): 0.000 Jargue-Bera (JB): 1769.086

Skew: -2.097 Prob(JB): 0.00 Kurtosis: 17.515 Cond. No. 17.4

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.14374391709901624 LM P-Value: 0.9306500499650054 F Statistic: 0.07076742366258502 F P-Value: 0.9317040370980434

OLS Regression Results

Mean diff R-squared: Dep. Variable: 0.002 OLS Adj. R-squared: Model: -0.001Least Squares F-statistic: Method: 0.7621 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.383 Time: 19:33:30 Log-Likelihood: -615.34 No. Observations: 326 AIC: 1235. Df Residuals: 324 BIC: 1242.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.3029 0.212 -1.430 0.154 -0.720 0.114

Real interest rate USA (%) 0.0362 0.041 0.873 0.383 -0.045 0.118

Omnibus: 105.433 Durbin-Watson: 1.987 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1439.955

 Skew:
 -0.913 Prob(JB):
 0.00

 Kurtosis:
 13.133 Cond. No.
 12.0

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 2.628105119641516 LM P-Value: 0.2687288071352659 F Statistic: 1.3125413294780575 F P-Value: 0.27056675813475434

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.007 OLS Adj. R-squared: Model: 0.002 Least Squares F-statistic: Method: 1.820 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.179 Time: 19:33:30 Log-Likelihood: -375.41No. Observations: 204 AIC: 754.8 Df Residuals: 202 BIC: 761.5

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

.....

const 0.2209 0.213 1.039 0.299 -0.196 0.638

Revenue (% of GDP) -0.0119 0.009 -1.349 0.177 -0.029 0.005

Omnibus: 22.238 Durbin-Watson: 1.953 Prob(Omnibus): 0.000 Jarque-Bera (JB): 100.683

 Skew:
 0.058 Prob(JB):
 1.37e-22

 Kurtosis:
 6.440 Cond. No.
 63.3

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 5.518129038690978 LM P-Value: 0.06335100428724323 F Statistic: 2.7940686255247438 F P-Value: 0.06354964167831294

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.002 Model: OLS Adj. R-squared: -0.002 Method: Least Squares F-statistic: 0.5113 Sun, 27 Aug 2023 Prob (F-statistic): 0.475 Date: Time: 19:33:31 Log-Likelihood: -455.28 No. Observations: 253 AIC: 914.6 Df Residuals: 251 BIC: 921.6

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.0949 0.128 -0.744 0.457 -0.346 0.156

Short-term debt (% of total external debt) 0.0054 0.008 0.715 0.475 -0.010 0.02

Omnibus: 143.937 Durbin-Watson: 1.944 Prob(Omnibus): 0.000 Jarque-Bera (JB): 3196.224

 Skew:
 -1.750 Prob(JB):
 0.00

 Kurtosis:
 20.057 Cond. No.
 23.2

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.2670720235518038 LM P-Value: 0.8749959582518778 F Statistic: 0.13209201986963415 F P-Value: 0.8763214741066185

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.001 Model: OLS Adj. R-squared: -0.003 Method: Least Squares F-statistic: 0.2756 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.600 Time: 19:33:31 Log-Likelihood: -401.20 No. Observations: 217 AIC: 806.4 Df Residuals: 215 BIC: 813.2

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 0.0128 0.107 0.120 0.905 -0.198 0.224

Short-term debt (% of total reserves) 8.832e-05 0.000 0.525 0.600 -0.000 0.000

Omnibus: 126.783 Durbin-Watson: 1.971 Prob(Omnibus): 0.000 Jarque-Bera (JB): 2596.807

Skew: -1.773 Prob(JB): 0.00 Kurtosis: 19.572 Cond. No. 652

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.05498852263368503 LM P-Value: 0.9728802655890287 F Statistic: 0.027121028880710114 F P-Value: 0.9732467884561335

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.016 OLS Adj. R-squared: Model: 0.012 Least Squares F-statistic: Method: 4.527 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.0343 Time: 19:33:31 Log-Likelihood: -535.95 280 AIC: 1076. No. Observations: Df Residuals: 278 BIC: 1083.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 1.8319 0.905 2.025 0.044 0.051 3.613 In_TRes -0.0946 0.044 -2.128 0.034 -0.182 -0.007

Omnibus: 105.131 Durbin-Watson: 1.967 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1320.313

Skew: -1.128 Prob(JB): 1.98e-287 Kurtosis: 13.396 Cond. No. 187.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.1478511825064821 LM P-Value: 0.9287407977091107 F Statistic: 0.0731721691745897 F P-Value: 0.9294587543165318

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.000 Model: OLS Adj. R-squared: -0.004 Method: Least Squares F-statistic: 0.01779 Sun, 27 Aug 2023 Prob (F-statistic): 0.894 Date: -417.77 Time: 19:33:32 Log-Likelihood: No. Observations: 231 AIC: 839.5 Df Residuals: 229 BIC: 846.4

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

-0.0207 0.147 -0.140 0.888 -0.311 0.26

Total debt service (% of exports of goods, services and primary income) 0.0009 0.006 0.133 0.894 -0.012 0.013

Omnibus: 139.379 Durbin-Watson: 1.895 Prob(Omnibus): 0.000 Jarque-Bera (JB): 3410.710

 Skew:
 -1.829 Prob(JB):
 0.00

 Kurtosis:
 21.466 Cond. No.
 34.9

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 2.525294143891052 LM P-Value: 0.28290416678814506 F Statistic: 1.2600236482408909 F P-Value: 0.2856148318208458

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.004 OLS Adj. R-squared: 0.000 Model: Method: Least Squares F-statistic: 1.073 Sun, 27 Aug 2023 Prob (F-statistic): 0.301 Date: Time: 19:33:32 Log-Likelihood: -478.94 No. Observations: 252 AIC: 961.9 Df Residuals: 250 BIC: 968.9

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975

const -0.0024 0.156 -0.015 0.988 -0.310 0.305

Total reserves in months of imports -0.0348 0.034 -1.036 0.301 -0.101 0.03

Omnibus: 121.524 Durbin-Watson: 1.914 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1596.447

 Skew:
 -1.544 Prob(JB):
 0.00

 Kurtosis:
 14.938 Cond. No.
 7.28

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 2.359612875180972 LM P-Value: 0.30733822197085375 F Statistic: 1.1767799527291454 F P-Value: 0.3099782141371666

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.004 OLS Adj. R-squared: Model: 0.000 Least Squares F-statistic: Method: 0.9936 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.320 Time: 19:33:33 Log-Likelihood: -507.42 267 AIC: 1019. No. Observations:

Df Residuals: 265 BIC: 1026.

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

const 0.0376 0.180 0.209 0.834 -0.315 0.390

Trade (% of GDP) -0.0028 0.003 -0.997 0.319 -0.008 0.003

Omnibus: 111.426 Durbin-Watson: 1.940 Prob(Omnibus): 0.000 Jargue-Bera (JB): 1297.253

 Skew:
 -1.321 Prob(JB):
 2.02e-282

 Kurtosis:
 13.470 Cond. No.
 180.

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 7.066312193234168 LM P-Value: 0.0292125725201235 F Statistic: 3.5884275615722356 F P-Value: 0.028998299195305006

OLS Regression Results

Dep. Variable: Mean_diff R-squared: 0.008

Model: OLS Adj. R-squared: 0.004

Method: Least Squares F-statistic: 1.877

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.172
Time: 19:33:33 Log-Likelihood: -438.59

No. Observations: 223 AIC: 881.2
Df Residuals: 221 BIC: 888.0

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.3427 0.190 -1.802 0.073 -0.717 0.032

Unemployment, total (% of total labor force) (modeled ILO estimate) 0.0283 0.021 1.370 0.172 -0.012 0.069

Omnibus: 95.414 Durbin-Watson: 1.998 Prob(Omnibus): 0.000 Jarque-Bera (JB): 986.441

Skew: -1.346 Prob(JB): 6.27e-215 Kurtosis: 12.946 Cond. No. 15.2

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 2.18676059118564 LM P-Value: 0.3350819012840646 F Statistic: 1.0893534539614984 F P-Value: 0.338241631080485

OLS Regression Results

Dep. Variable:Mean_diffR-squared:0.001Model:OLS Adj. R-squared:-0.007Method:Least SquaresF-statistic:0.09032Date:Sun, 27 Aug 2023Prob (F-statistic):0.764Time:19:33:33Log-Likelihood:-275.95

No. Observations: 134 AIC: 555.9

Df Residuals: 132 BIC: 561.7

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.2870 0.270 -1.062 0.290 -0.822 0.248

Unemployment, total (% of total labor force) (national estimate) -0.0080 0.026 -0.301 0.764 -0.060 0.044

Omnibus:68.434Durbin-Watson:2.040Prob(Omnibus):0.000Jarque-Bera (JB):593.231

 Skew:
 -1.512
 Prob(JB):
 1.52e-129

 Kurtosis:
 12.854
 Cond. No.
 16.8

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.5697139410658685 LM P-Value: 0.7521218222099095 F Statistic: 0.27966861379081737 F P-Value: 0.7564844884068891

OLS Regression Results

Dep. Variable: Mean diff R-squared: 0.002 Model: OLS Adj. R-squared: -0.003 Method: Least Squares F-statistic: 0.3846 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.536 19:33:34 Log-Likelihood: Time: -433.17 239 AIC: No. Observations: 870.3 Df Residuals: 237 BIC: 877.3

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.0868 0.122 -0.712 0.477 -0.327 0.153

In Use of IMF credit (DOD, current US\$) 0.0033 0.005 0.620 0.536 -0.007 0.01

Omnibus: 135.811 Durbin-Watson: 1.906 Prob(Omnibus): 0.000 Jarque-Bera (JB): 3194.423

Skew: -1.699 Prob(JB): 0.00 Kurtosis: 20.585 Cond. No. 28.8

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.429831893798878 LM P-Value: 0.4892332316381989 F Statistic: 0.7101908661900931 F P-Value: 0.49259781091400057